

ARCTIC CONTINENTAL TERRACE WEDGE  
MOSTLY NEOGENE

● Sands, gravels at surface

RIFT-RELATED BASINS

JURASSIC–EOCENE



▲ CRETACEOUS, TERTIARY  
IGNEOUS ROCKS

SVERDRUP BASIN

CARBONIFEROUS–EOCENE



FRANKLINIAN MOBILE BELT

NEOPROTEROZOIC–DEVONIAN



*Folded belts in volcanic, deep-water strata*



*Folded belts in deep-water strata*



*Thrust-fold belts in foreland and platform strata*

ARCTIC PLATFORM

CAMBRIAN–DEVONIAN



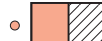
PEARYA TERRANE

MESOPROTEROZOIC–SILURIAN



CANADIAN SHIELD

MESOPROTEROZOIC



*Basins*

ARCHEAN–PALEOPROTEROZOIC



*Metamorphic, plutonic "basement"*

**Figure 1.** Simplified geology of the Arctic Islands and location of map areas 2141A and 2142A. Pattern fills are reserved for some offshore units.